

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	("MIMO" or (multiple adj2 input adj2 multiple adj2 output)) and ((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with (ratio or "SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio)) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 10:57
L2	133	((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with (ratio or "SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio)) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 09:48
L3	2	"5946351".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 09:22
L4	2	"6314147".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 09:22
L5	24	((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with ("SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio))) and (ratio with (energy or power) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 11:20
L6	121	L2 not L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 10:11
L7	3	((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with ("SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio))) and (ratio with (energy or power) with (taps or coefficients))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 10:51

## EAST Search History

L8	2	("MIMO" or (multiple adj2 input adj2 multiple adj2 output)) and ((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with ("SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio))) and (ratio with (energy or power) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 10:55
L9	14	((plurality or multiple or array) adj2 antenna) and ((impulse adj1 response) same (coefficients or taps)) and ((filter\$4 or prefilter\$4 or pre-filter\$4) same (coefficients or taps)) and (max\$4 with (ratio or "SNR" or "SINR" or (signal adj2 (noise or interference) adj2 ratio)) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 10:59
L10	27	375/346.ccls. and (ratio with (energy or power) with (taps or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/03 11:20
S1	6	("6108517" "6452981" "6466616").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 18:44
S2	8	((("20020110205") or ("20020176492") or ("20030035491") or ("20030063596")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 18:50
S3	1	(Arslan.in. or Hafeez.in.) and ("MIMO" same taps same (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 18:51
S4	73	"MIMO" and (taps same (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 18:52
S5	13	375/346-350.ccls. and "MIMO" and (taps same (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 18:52
S6	124	"MIMO" and ((taps or coefficients or weights) same (impulse adj1 response) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:16

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S7	29	S6 and (("SNR" or (signal adj2 noise adj2 ratio)) same (taps or weights or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:11
S8	29	S6 and (("SNR" or (signal adj2 noise adj2 ratio)) same (taps or weights or coefficients)) and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:03
S9	266	((("SNR" or (signal adj2 noise adj2 ratio)) near4 (taps or weights or coefficients)) same filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:07
S10	7	S9 and "MIMO"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:05
S11	2	("6922434").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/21 19:05
S12	15	((("SNR" or (signal adj2 noise adj2 ratio)) near4 (taps)) same filter\$4 same (impulse adj1 response)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:20
S13	19	S6 and (("SNR" or (signal adj2 noise adj2 ratio)) with maximiz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:13
S14	19	S6 and (("SNR" or (signal adj2 noise adj2 ratio)) with maximiz\$4) and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:13
S15	42	((taps or coefficients or weights) same (impulse adj1 response) same filter\$4) and (undesired near4 (taps or coefficients or weights))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:18
S16	22	((taps or coefficients or weights) same (impulse adj1 response) same filter\$4) and (undesired near2 (taps or coefficients or weights))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:19
S17	9360	((taps or coefficients or weights) same (impulse adj1 response) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:19
S18	249	S17 and (("SNR" or (signal adj2 noise adj2 ratio)) same (filter\$4 near3 noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:22

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S19	83	S17 and (("SNR" or (signal adj2 noise adj2 ratio)) same (filter\$4 near3 noise) same (taps or weights or coefficients))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:21
S20	1	S19 and "MIMO"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:21
S21	83	S19 and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:37
S22	74	S17 and ((maximiz\$4 near3 ("SNR" or (signal adj2 noise adj2 ratio))) same (taps or coefficients or weights))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:40
S23	74	S17 and ((maximiz\$4 near3 ("SNR" or (signal adj2 noise adj2 ratio))) same (taps or coefficients or weights)) and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:40
S25	124	"MIMO" and ((taps or coefficients or weights) same (impulse adj1 response) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 12:55
S26	63	S25 and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 13:00
S27	19	S25 and (maximiz\$4 near4 ("SNR" or (signal adj2 noise adj2 ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 13:01
S28	1	"6314147".pn. and (impulse adj1 response)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 12:57
S29	1	S28 and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 13:00
S30	63	S25 and ("SNR" or (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 13:07
S31	65	S25 and ("SNR" or (signal adj2 noise adj2 ratio) or "SINR")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 13:57

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S32	2	("20050105646").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/23 14:51
S33	131	((scal\$4 or updat\$4) near4 taps) with (different\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 14:53
S34	1	S33 and "MIMO"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 14:52
S35	2	S33 and "MMSE"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 14:52
S36	2	(scal\$4 near4 taps) same "MMSE"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 14:54
S37	17	(scal\$4 near4 taps) and "MMSE"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 14:54
S38	146	"MIMO" and ((taps or coefficients) same (impulse adj1 response) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:35